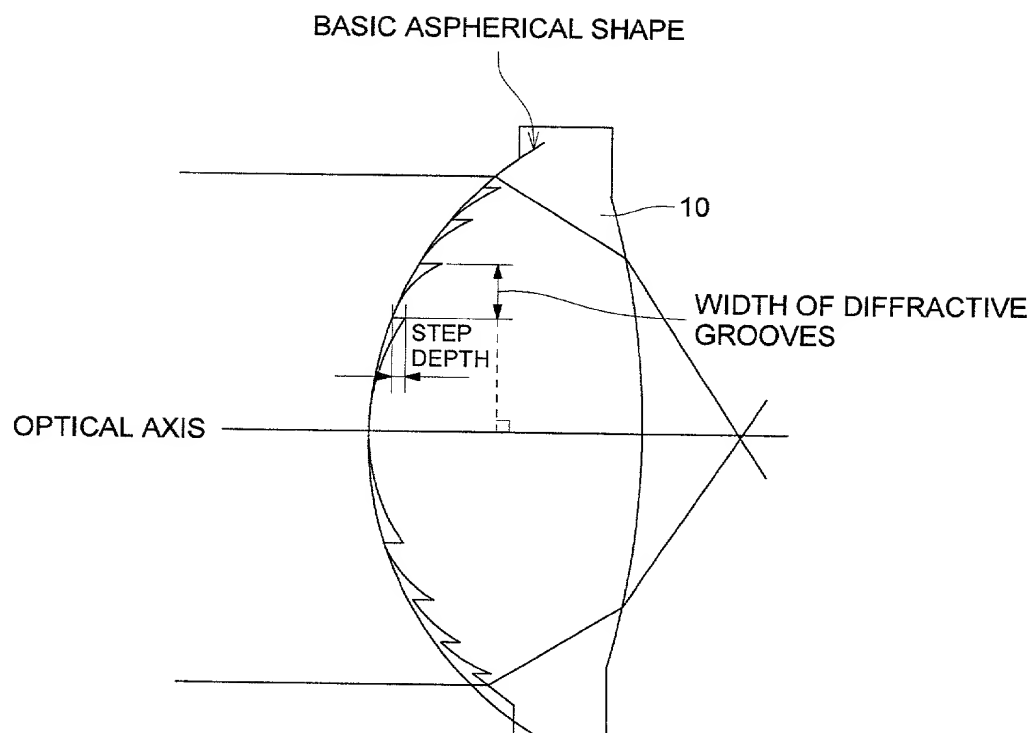


FIG. 1



096478 09200  
T08260" 82249660

FIG. 2

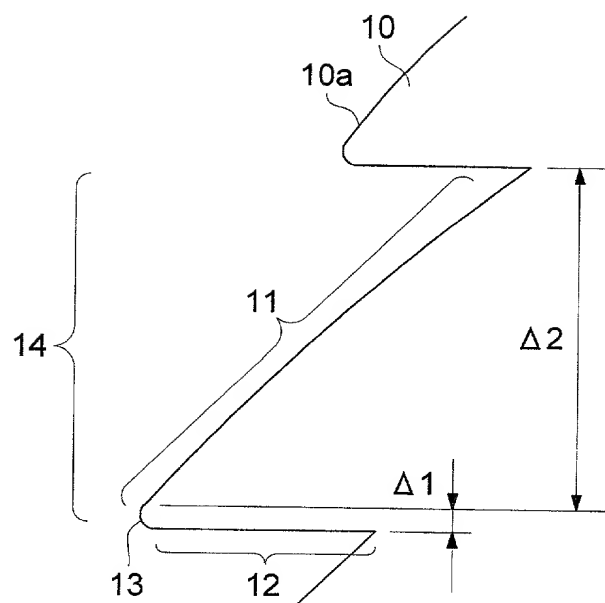


FIG. 3

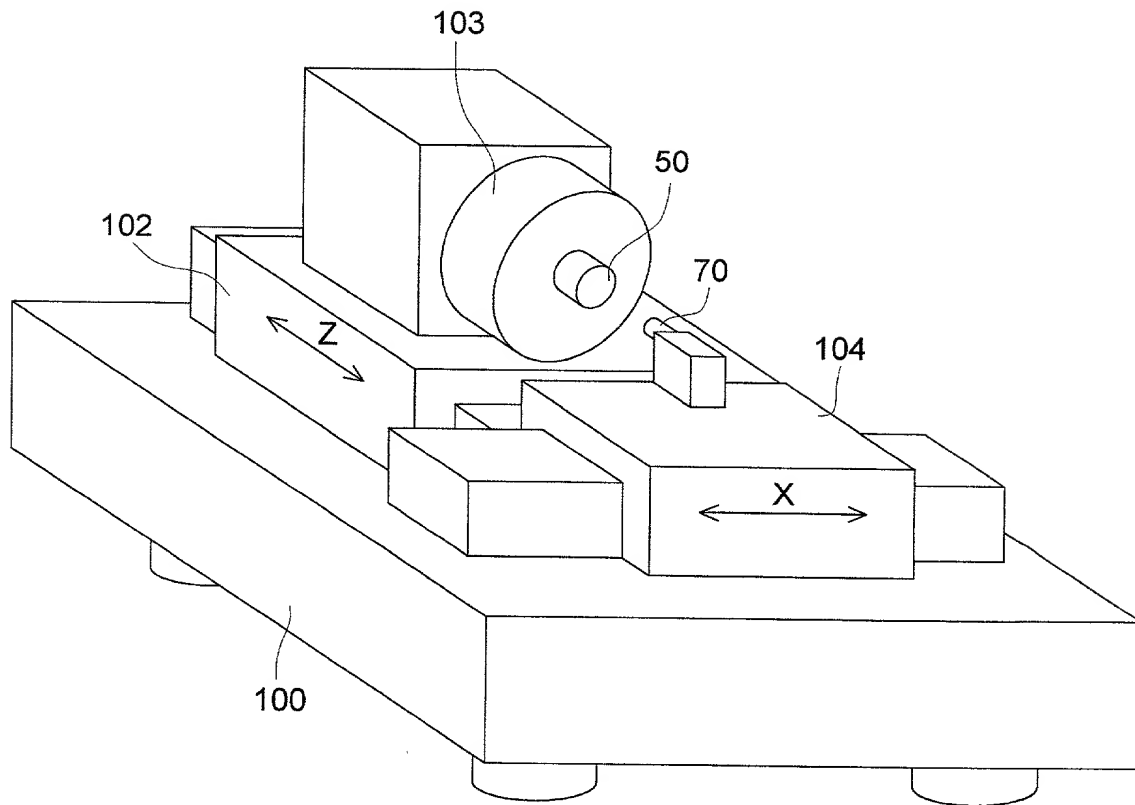


FIG. 4 (a)

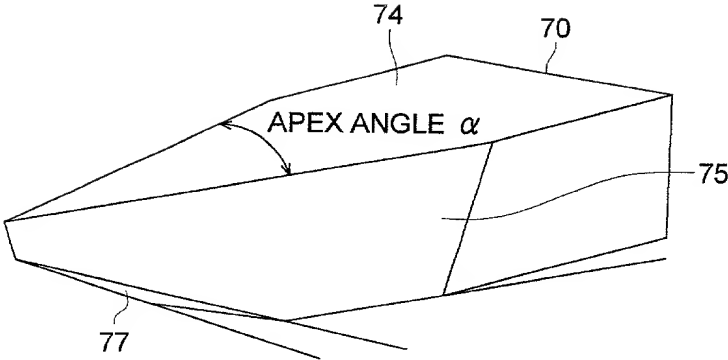


FIG. 4 (b)

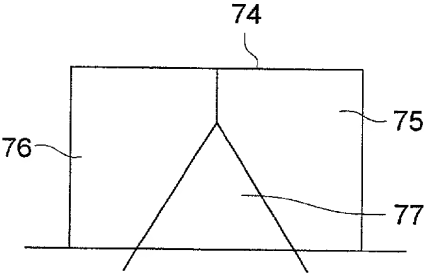


FIG. 4 (c)

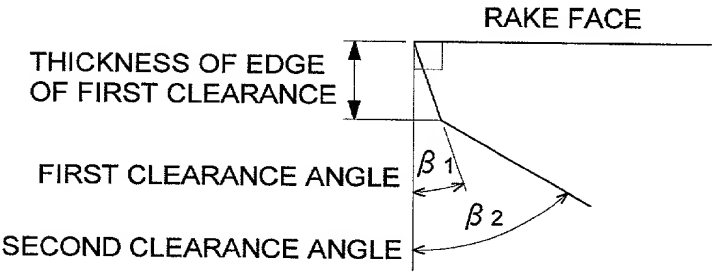
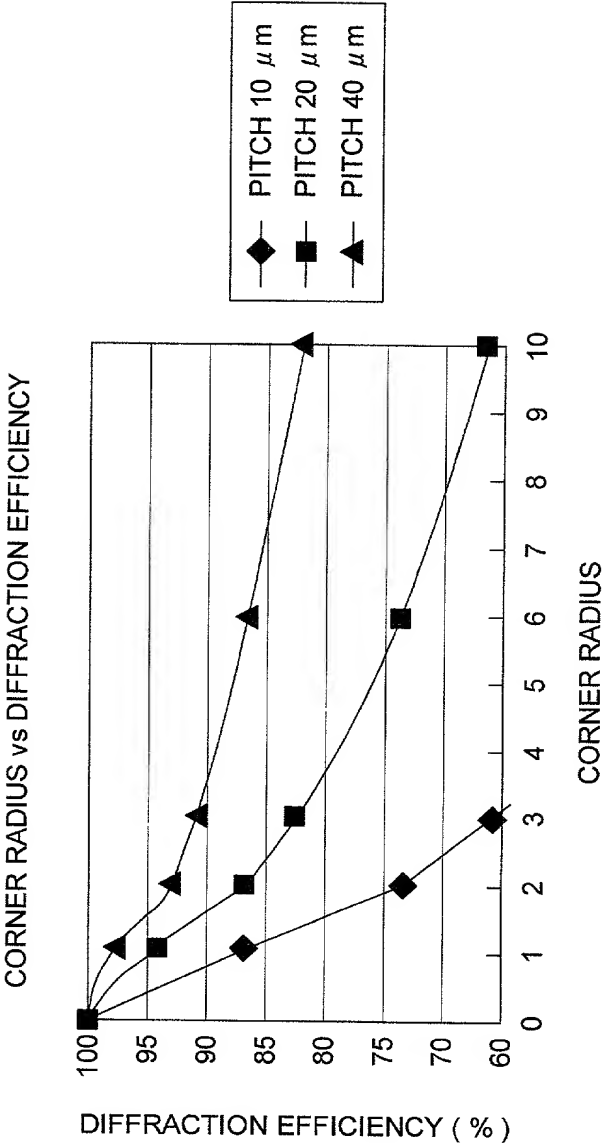


FIG. 5



REMARKS) SCALAR CALCULATION OF DIFFRACTION EFFICIENCY BY SAWTOOTH SHAPE  
REFRACTIVE INDEX:  $n = 1.5$   
USED WAVELENGTH: 650 nm  
BLAZED WAVELENGTH: 650 nm  
STEP DEPTH: 1.3  $\mu\text{m}$

FIG. 6

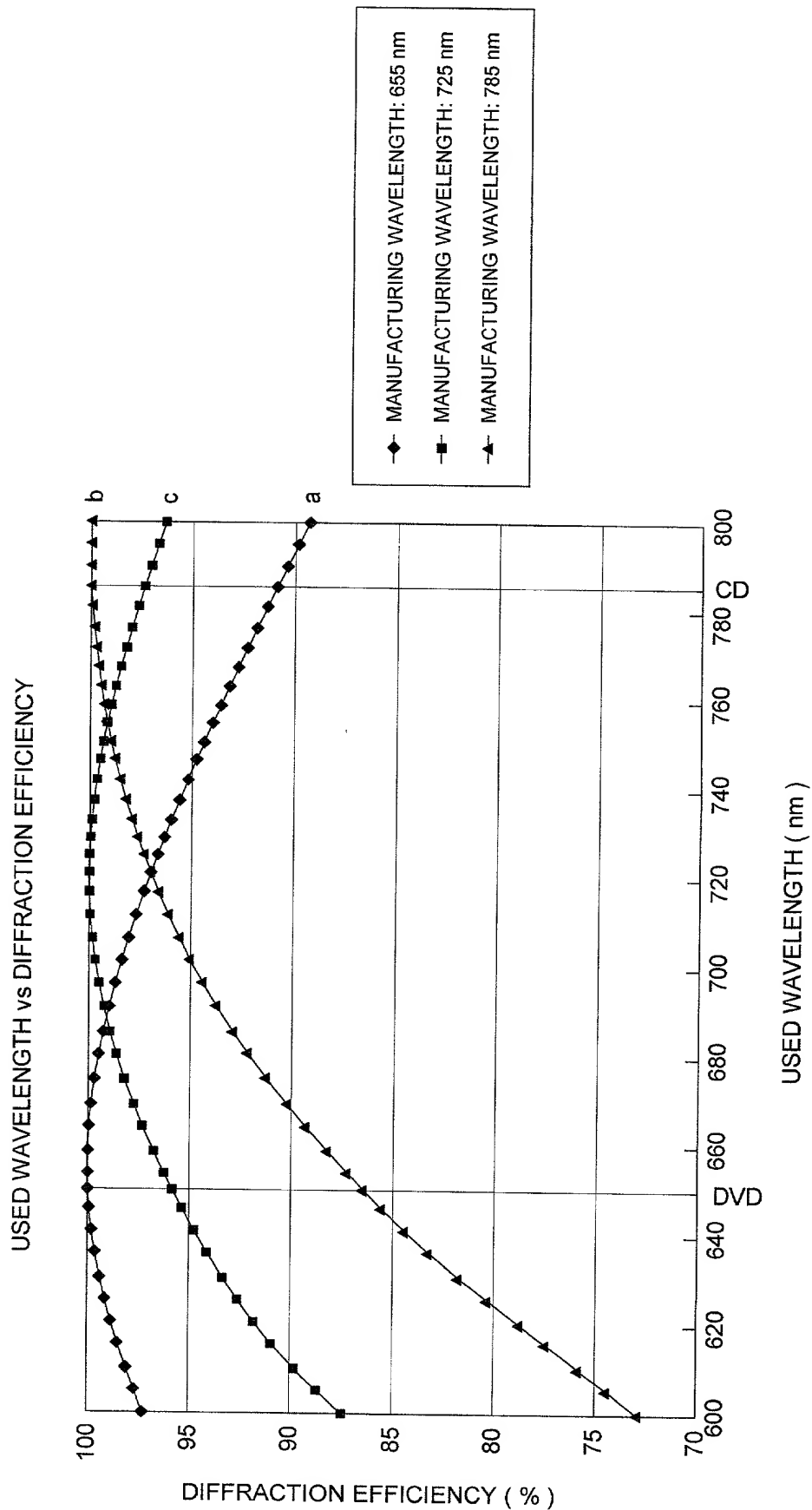


FIG. 7 (a)

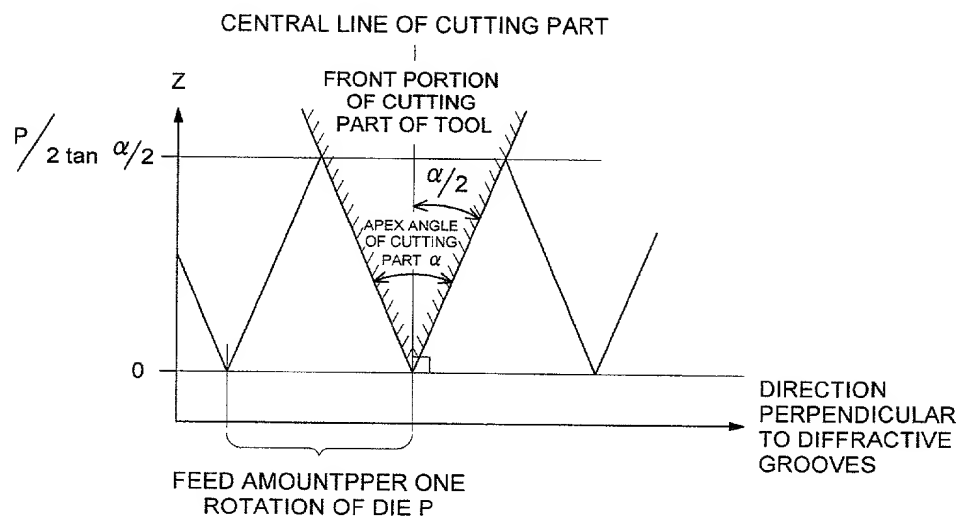


FIG. 7 (b)

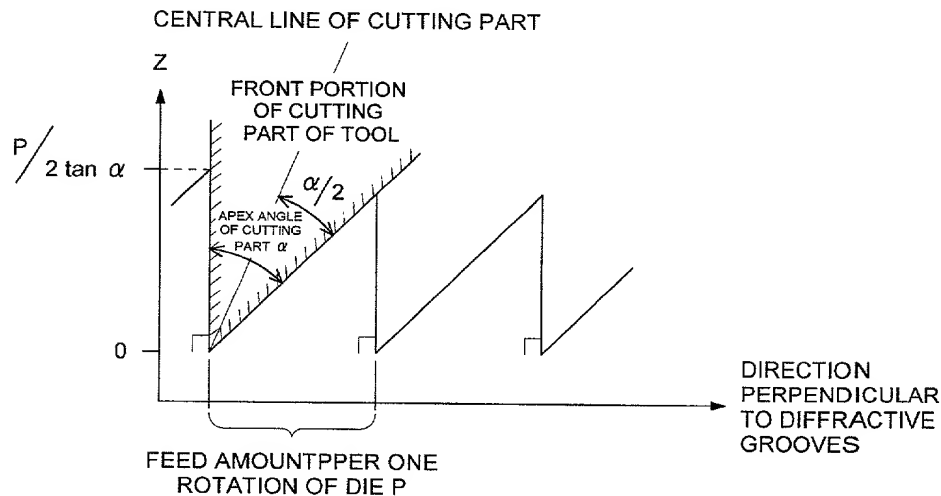


FIG. 7 (c)

APEX ANGLE OF CUTTING PART	(Rz)	
	FIG. 7a	FIG. 7b
10°	5.71P	5.67P
30°	1.87P	1.73P
40°	1.37P	1.19P

FIG. 8

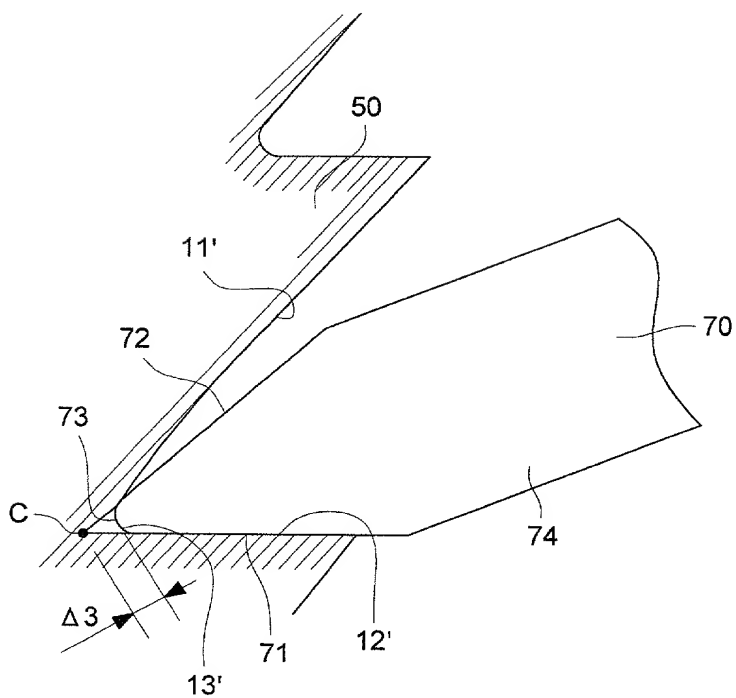




FIG. 9

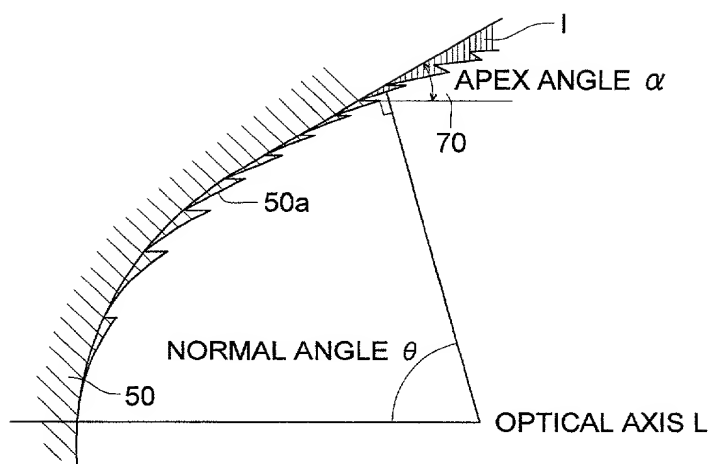


FIG. 10

